

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY
OR
REVOCATION OF POWER OF ATTORNEY
WITH A NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/038,916
Filing Date	01/08/2002
First Named Inventor	Ming JIA
Title	METHOD AND APPARATUS FOR CHANNEL QUALIT
Art Unit	2611
Examiner Name	Qutbuddin GHULAMALL
Attorney Docket Number	22493-149U (14769ROUS02U)

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

OR

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

31292

OR

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number.

OR

The address associated with Customer Number:

31292

OR

Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

Applicant/Inventor.

OR

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Assignee of Record

Signature		Date	SEP 2, 2009
Name	Luis Estable	Telephone	(613)-763-8914
Title and Company	IP CTO - NORTEL NETWORKS LIMITED		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of TWO forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: **Nortel Networks Limited**Application No./Patent No.: **10/038,916**Filed/Issue Date: **January 8, 2002**Titled: **METHOD AND APPARATUS FOR CHANNEL QUALITY MEASUREMENTS**

Nortel Networks Limited

, a **Corporation**

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest in;
2. an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made) the patent application/patent identified above, by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel **012764**, Frame **0822**, or for which a copy therefore is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

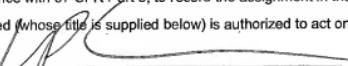
Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

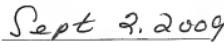
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature


Luis Estable

Printed or Typed Name



Date



Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (or by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES
PATENT AND
TRADEMARK OFFICE



DECEMBER 13, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

SMART & BIGGAR,
P. O. BOX 23997, STATION D
OTTAWA, ONTARIO CANADA K1P 5Y6

CORRECTED
NOTICE



102306963A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF
THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE DATA
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM, IF YOU SHOULD
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/05/2002

REEL/FRAME: 012764/0822
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
JIA, MING

DOC DATE: 03/07/2002

ASSIGNOR:
MA, JIANGLI

DOC DATE: 03/07/2002

ASSIGNOR:
ZHU, PEIYING

DOC DATE: 03/07/2002

ASSIGNOR:
YU, DONG-SHENG

DOC DATE: 03/12/2002

ASSIGNOR:
TONG, WEI

DOC DATE: 03/07/2002

ASSIGNEE:
WORTEL NETWORKS LIMITED
2351 BOULEVARD ALFRED-NOBEL
LAURENT, QUEBEC, CANADA H4S 2A9

<

012764/0822 PAGE 2

SERIAL NUMBER: 10038916

PATENT NUMBER:

FILING DATE: 01/08/2002
ISSUE DATE:

PEARLINE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

11-67-62 15:18		11-67-62 15:18	
Docket No.: 71483-1682 PWE		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
 APR 05 2002		"To the Honorable Commissioner of Patents MING JIAI JIANGKE MAI; FENG YING ZHOU; DONG-SHENG YU and WEN TONG <i>4-5-02</i> <small>(Additional names of conveying parties)</small>	
<small>...of record documents or copy thereof.</small>		<small>...less of receiving party(ies):</small>	
<small>1. Name of conveying party(ies): MING JIAI JIANGKE MAI; FENG YING ZHOU; DONG-SHENG YU and WEN TONG</small>		<small>Name: MORTEL NETWORKS LIMITED Address: 2351 Boulevard Alfred-Nobel</small>	
<small>2. Additional name(s) or address(es):</small>		<small>City: St. Laurent StateProv.: Quebec Country: Canada ZIP: H4S 2A9 □ Yes <input checked="" type="checkbox"/> No</small>	
<small>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Sale Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</small>		<small>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____</small>	
<small>Patent Application No. Filing date</small>		<small>B. Patent No. (s)</small>	
<small>10/0338916 01/08/02</small>		<small>Additional numbers □ Yes <input checked="" type="checkbox"/> No</small>	
<small>5. Name and address of party to whom correspondence concerning document should be mailed:</small>		<small>6. Total number of applications and patents involved: 1</small>	
<small>Name: <u>R. Allan Brier</u> Registration No. <u>40676</u> Address: <u>SMART & BIGGAR</u> <u>P.O. Box 2990, Station D</u> <u>900-55 Metcalfe Street</u> <u>Ottawa, Ontario</u> <u>Canada</u></small>		<small>7. Total fee (\$7 CFF 3.4.1): \$ 40.00 <input checked="" type="checkbox"/> Enclosed - Any excess or insufficiency should be certified or declared to deposit account <input type="checkbox"/> Authorized to be charged to deposit account 18-4584 <small>(Please sign each copy of this page if more than one deposit account)</small> </small>	
<small>DO NOT USE THIS SPACE</small>			
<small>I, the undersigned, declare under penalty of perjury that the information contained in this document is true and correct and any attached copy is a true copy.</small>			
<small>Signature: <u>M. Brier</u> Date: April 4, 2002</small>			

SMART & BIGGAR
Intellectual Property & Technology Law

To Fax No.: 703 308-7124
Phone No.: 703 308-9721

Page 1 of: 7

Attention: Regina White

From: Angela Armstrong-Baker
Your file No.: 71493-1042

Date: December 11, 2002
Time:

If there are any transmission problems, please call (613) 232-2486.

Original copy and any enclosures will will not be sent by mail courier

TRANSMITTAL LETTER (General - Patent Pending)	
Docket No. 71493-1042 Aia	

In Re Application Of: MING JIA, ET AL.

Serial No.	Filing Date	Examiner	Group Art Unit
10/038,916	January 8, 2002		2661

Title:

METHOD AND APPARATUS FOR CHANNEL QUALITY MEASUREMENTS

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

REQUEST FOR CORRECTED NOTICE OF RECORDATION ASSIGNMENT

Transmitted herewith is: REQUEST FOR CORRECTED NOTICE OF RECORDATION ASSIGNMENT, wherein the Applicant respectfully requests a further Corrected Notice of Recordation of Assignment Document, wherein the postal code for the Assignee is indicated as "H4S 2A9". Enclosed is a copy of the corrected Notice of Recordation with the change noted thereon, together with a copy of our Recordation Form Cover Sheet and Assignment, as previously filed.

In the above identified application,

- No additional fee is required.
- A check in the amount of is attached.
- The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 19-2550 as described below. A duplicate copy of this sheet is enclosed.
- Charge the amount of .
- Credit any overpayment.
- Charge any additional fee required.

Dated: December 6, 2002

[Signature]
Allan Brett (Reg. No. 40,476)
SMART & BIGGAR
P.O. Box 2599, Station D
90th-55 Metcalfe Street
Ottawa, Ontario
K1P 5Y6, Canada

I certify that this document and fee is being deposited in the mail at under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

[Signature]
Signature of Person Mailing Correspondence

71493-1042 Jlo

ASSIGNMENT
NORTEL NETWORKS LIMITED

For value received, we the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

NORTEL NETWORKS LIMITED
2351 Boulevard Alfred-Nobel
St. Laurent, Quebec
Canada H4S 2A9

its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

METHOD AND APPARATUS FOR CHANNEL QUALITY MEASUREMENTS

set forth in an application for letters patent of the **UNITED STATES OF AMERICA**.

Serial No. 10,038,916 filed on January 8, 2002

and all rights and privileges under any and all letters patent that may be granted for said inventions.

Jing Zhang Date: March 7, 2002
Assignor

Witness' Signature Jing Zhang
Name Pei-Ying Zhang
Witness Name (print)

Witness Name (print)

Jing Zhang Date: March 7, 2002
Assignor

Witness' Signature Jing Zhang
Name Jia Li
Witness Name (print)

Witness Name (print)

Jing Zhang Date: March 7, 2002
Assignor

Witness' Signature Jing Zhang
Name Pei-Ying Zhang
Witness Name (print)

Witness Name (print)

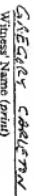
12-11-02 12:18
11-07-02 15:06

JID:613_232_8440

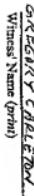
P. 67


Witness Signature

Date: March 12, 2002
Assignor:
Dong-Sheng Yu
704-13 Woodridge Crescent
Ottawa, Ontario, K2B 7T3 Canada


Witness Name (print)
GRÉGORY CARLETON


Witness Signature
Date: March 7, 2002
Assignor:
Wan Tong
12 Whistler Drive
Orillia, Ontario, K2C 4A7 Canada


Witness Signature
GRÉGORY CARLETON

Witness Name (print)
Wan Tong
12 Whistler Drive
Orillia, Ontario, K2C 4A7 Canada